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## WHAT IS CLAIMED IS:

1. A network control system in which a first unit and a second unit are connected to each other through a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device

having screen display data for displaying an operating screen of said device and identification information for identifying the screen display data and

transmitting said screen display data and said identification information to said controller through said transmission path, and

said controller

comprising a user/interface including display means;
receiving said screen display data and said
identification information from said device through said
transmission path;

displaying said operating screen on said display means
20 using said screen display data; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation and said identification

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information to said device through said transmission path.

2. A network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device 1/2

having screen display data for displaying an operating screen of said device and identification information for identifying the screen display data; and

transmitting said screen display data and said identification information to said controller through said transmission path, and

said controller

comprising a user interface including display means;

receiving said screen display data and said identification information from said device through said transmission path;

displaying said operating screen on said display means

20 using said screen display data and said identification information; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation

information indicative of the operation and said identification 25 information to said device through said transmission path.

- 3. The network control system according to claim 1 or 2, wherein said identification information includes version information indicating a version of said screen display data.
- 4. The network control system according to claim 1.0r.2, wherein said operation information includes an operating position information indicative of an operating position on said operating screen.
- 5. A network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device

having screen display data composed of a plurality of partial screen display data for displaying an operating screen of said device; and

transmitting said partial screen display data to said controller through said transmission path, and said controller

comprising a user interface including display means;
receiving said partial screen display data from said
device through said transmission path;

displaying said operating screen on said display means using said partial screen display data; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation to said device through said transmission path.

6. The network control system according to claim 5, wherein when said screen display data of said device is changed, said device transmits changed partial screen display data of said screen display data to said controller; and

said controller receives the changed partial screen display data from said device through said transmission path and, based on the received partial screen display data, updates said operating screen displayed on said display means.

7. The network control system according to claim 5, wherein said device

has partial screen identification information for identifying said partial screen display data; and

transmits said partial screen display data and said partial screen identification information to said controller

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through said transmission path, and said controller

receives said partial screen display data and said partial screen identification information from said device through said transmission path.

8. The network control system according to claim 7, wherein when said screen display data of said device is changed, said device transmits changed partial screen display data of said screen display data and the partial screen identification information of the partial screen display data to said controller, and

said controller receives the changed partial screen display data and the partial screen identification information of the partial screen display data from said device through said transmission path and, based on the received partial screen display data and partial screen identification information, updates said operating screen displayed on said display means.

9. The network control system according to claim 7, wherein in response to an operation by a user to said operating screen, said controller controls said device by transmitting operation information indicative of the operation and the partial screen identification information corresponding to the operation to said device through said transmission path.

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- 10. The network control system according to claim 7 or 9; wherein said partial screen identification information includes version information indicating a version of said partial screen display data.
  - 11. The network control system according to claim 7 or 9, wherein one display element in screen display is arranged in any one of a plurality of display parts corresponding to said plurality of partial screen display data.
- 12. The network control system according to claim 7 or 9, wherein a display element corresponding to each operation by the user is arranged in any one of a plurality of display parts corresponding to said plurality of partial screen display data.
- 13. A network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,
- at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device

having screen display data for displaying an operating screen of said device and overlap display data for overlap display on said operating screen; and

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transmitting said screen display data and said overlap display data to said controller through said transmission path, and

said controller

comprising a user interface including display means;

receiving said screen display data and said overlap display data from said device through said transmission path;

displaying said operating screen on said display means using said screen display data, and carrying out overlap display on said operating screen displayed on said display means by using said overlap display data; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation to said device through said transmission path.

- 14. The network control system according to claim 13, wherein said overlap display data is cursor information for displaying a cursor indicative of a position of operation by the user to said operating screen.
- 15. The network control system according to claim 14, wherein said cursor information includes position information indicative of a position of said cursor on said operating screen.

- 16. The network control system according to claim 14, wherein said cursor information includes shape information indicative of a shape of said cursor.
- 17. The network control system according to claim 14, wherein said cursor information includes size information indicative of a size of said cursor.
- 18. The network control system according to claim 14, wherein said cursor information includes color information indicative of a color of said cursor.
- 19. The network control system according to claim 14, wherein said cursor information includes enable information indicating an operation that the user is allowed to perform.
- 20. The network sontrol system according to claim 13, wherein when a display part corresponding to said overlap display data of said device is changed, said device transmits said overlap display data to said controller, and
- said controller receives said overlap display data from said device through said transmission path and, based on said received overlap display data, updates said operating screen displayed on said display means.

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21. A network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device

having screen display data for displaying an operating screen of said device and identification information for identifying the screen display data; and

transmitting said screen display data and said identification information to said controller through said transmission path and

said controller

comprising a user interface including display means;

receiving said screen display data and said identification information from said device through said transmission path; and

displaying said operating screen on said display means using said screen display data.

22. A network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,

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at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

having screen display data for displaying an operating screen of said device and identification information for identifying the screen display data;

transmitting said screen display data and said identification information to said controller through said transmission path, and

said control/er

said device

comprising a user interface including display means;
receiving said screen display data and said
identification information from said device through said
transmission path; and

displaying said operating screen on said display means using said screen display data and said identification information.

23. A network control system in which a first unit and a second unit are connected to each other a transmission path and a controller included in said first unit controls a device in said second unit through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information, said device

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having screen display data for displaying an operating screen of said device and overlap display data for overlap display on said operating screen; and

transmitting said screen display data and said overlap display data to said controller through said transmission path, and

said controller

comprising a user interface including display means;
receiving said screen display data and said overlap
display data from said device through said transmission path; and
displaying said operating screen on said display means
using said screen display data, and carrying out overlap display
on said operating screen displayed on said display means by using
said overlap display data.

24. A second unit that is connected through a transmission path to a first unit including a controller and includes a device controlled by said controller through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device

having screen display data for displaying an operating screen of said device and identification information for identifying the screen display data;

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identification information to said controller through said transmission path; and

receiving the identification information of the screen display data and operation information indicative of an operation by a user, and operating based on the received identification information and operation information.

25. A first unit that is connected through a transmission path to a second unit and includes a controller for controlling a device included in said second unit through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said controller

comprising a user interface including display means; receiving screen display data indicative of an operating screen of said device and identification information for identifying the screen display data from said device through said transmission path;

displaying said operating screen on said display means using said screen display data; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation and said identification information to said device through said transmission path.

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26. The second unit according to claim 24, wherein said operation information includes operating position information indicative of a position of operation on said operating screen.

27. The first unit according to claim 25, wherein

said operation information includes operating position information indicative of a position of operation on said operating screen.

28. A second unit that is connected through a transmission path to a first unit including a controller and includes a device controlled by said controller through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information,

said device

having screen display data composed of a plurality of partial screen display data for displaying an operating screen of said device;

transmitting said partial screen display data to said controller through said transmission path; and

receiving operation information indicative of an operation by a user, and operating based on the received operation information.

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29. A first unit that is connected through a transmission path to a second unit and includes a controller for controlling a device included in said second unit through said transmission path,

at least one of said first unit and said second unit being

5 for handling at least one of video, audio, and information,
said controller

comprising a user interface including display means;
receiving a plurality of partial screen display data
indicative of an operating screen of said device through said
transmission path from said device;

displaying said operating screen on said display means using said partial screen display data; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation through said transmission path to said device.

30. The second unit according to claim 28, wherein

when said screen display data of said device is changed, said device transmits changed partial screen display data of said screen display data to said controller.

31. The first unit according to claim 29, wherein

when said screen display data of said device is changed, said controller receives changed partial screen display data of

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said screen display data from said device through said transmission path and, based on the received partial screen display data, updates said operating screen displayed on said display means.

32. A second unit that is conhected through a transmission path to a first unit including a controller and includes a device controlled by said controller through said transmission path,

at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and said device

having screen display data for displaying an operating screen of said device and overlap display data for overlap display on said operating screen;

transmitting said screen display data and said overlap display data to said controller through said transmission path; and

receiving operation information indicating a user's operation transmitted from said controller, and operating based on the received operation information.

33. A first unit that is connected through a transmission path to a second unit and includes a controller for controlling a device included in said second unit through said transmission path,

at least one of said first unit and said second unit being

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5 for handling at least one of video, audio, and information,

comprising a user interface including display means;
receiving screen display data indicative of an operating
screen of said device and overlap display data for overlap display
on said operating screen through said transmission path;

displaying said operating screen of said device on said display means using said screen display data, and performing overlap display on said operating screen displayed on said display means using said overlap display data; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicating the operation through said transmission path to said device.

34. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said control method comprising the steps of:

transmitting screen display data for displaying an operating screen of said device and identification information for identifying the screen display data from said device through

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said transmission path to said controller;

displaying said operating screen on said controller using said screen display data transmitted from said device; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation and said identification information from said controller through said transmission path to said device.

35. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said control method comprising the steps of:

transmitting screen display data for displaying an operating screen of said device and identification information for identifying the screen display data from said device through said transmission path to said controller;

displaying said operating screen on said controller using said screen display data and said identification information transmitted from said device; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation

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information indicative of the operation and said identification information from said controller through said transmission path to said device.

36. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said control method comprising the steps of:

transmitting at least one of plurality of partial screen display data composing screen display data for displaying an operating screen of said device from said device through said transmission path to said controller;

displaying said operating screen on said controller using said partial screen display data transmitted from said device; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation from said controller through said transmission path to said device.

37. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission

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path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said control method comprising the steps of:

transmitting screen display data for displaying an operating screen of said device and overlap display data for overlap display on said operating screen from said device through said transmission path to said controller;

displaying said operating screen on said controller and performing overlap display on said displayed operating screen based on said overlap display data by using said screen display data and said overlap display data transmitted from said device; and

in response to an operation by a user to said operating screen, controlling said device by transmitting operation information indicative of the operation from said controller through said transmission path to said device.

38. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said

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control method comprising the steps of:

transmitting screen display data for displaying an operating screen of said device and identification information for identifying the screen display data from said device through said transmission path to said controller; and

displaying said operating screen on said controller using said screen display data transmitted from said device.

39. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said control method comprising the steps of:

transmitting screen display data for displaying an operating screen of said device and identification information for identifying the screen display data from said device through said transmission path to said controller; and

displaying said operating screen on said controller using said screen display data and said identification information transmitted from said device.

40. A control method, in a network control system in which a first unit and a second unit are connected to each other a transmission

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path, at least one of said first unit and said second unit being for handling at least one of video, audio, and information, and a controller included in said first unit controlling a device included in said second unit through said transmission path, said control method comprising the steps of:

transmitting screen display data for displaying operating screen of said device and overlap display data for overlap display on said operating screen from said device through said transmission path to said controller; and

displaying said operating screen on said controller and performing overlap display on said operating screen based on said overlap display data by using said screen display data and said overlap display data transmitted from said device.

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